

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	10/002,047	ESCHBACH ET AL.	
	Examiner	Art Unit	
	Habte Mered	2662	

All Participants:

Status of Application: 2:00 PM

(1) Habte Mered.

(3) _____.

(2) Lawrence T. Cullen.

(4) _____.

Date of Interview: 22 December 2005

Time: _____

Type of Interview:

- ☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☐ No

If Yes, provide a brief description: _____.

Part I.

Rejection(s) discussed:

Claims discussed:

Claims 1, 10, 14, 17, 19 and 20

Prior art documents discussed:

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:

See Continuation Sheet

Part III.

- ☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: Examiner disclosed to Applicant upon further review claim 17 is anticipated by Kung et al (US 6, 93, 713). Applicant proposed to amend claim 17. Examiner agreed the proposed changes will overcome Kung. Examiner suggested to Applicant to make minor changes to claims 1, 10, 14, 19, and 20 that will make these claims more clear. Applicant agreed to make the minor changes that will better clarify the subject matter claimed in these claims. Applicant authorized the Examiner to make the proposed changes via an Examiner's Amendment. .

Attachment A - (Claims Listing)
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Amendment To The Claims

1. (Currently amended) A method of seamlessly transferring a communication session between a first device and a correspondent device on an IP network from the first device to a second device, the method comprising:

initiating a session between a correspondent device and a first device having a first device IP address, and being configured to allow a user to receive or send data packets associated with the communication session therefrom;

generating a temporary IP address for the first device;

registering a desire to transfer the session from the first device to a second device, the second device being configured to allow a user to receive or send data packets associated with the communication session therefrom;

transferring the first device IP address to a Session Agent so that the Session Agent can intercept data packets associated with sessions addressed to the first device IP address; and

transferring the session from the first device to the second device via the Session Agent so that data transmitted ~~transferred~~ from the correspondent device to the first device via the first device address will be received by the second device, thereby allowing the first device to continue to participate in sessions of communication via its temporary IP address.

2. (Currently amended) A method according to claim 1, wherein the method further comprises:

negotiating a transfer of the sessions between the first device and the second device;

registering the specific session to be transferred with the Session Agent so that the Session Agent can intercept and transfer the session to be transferred; and

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intercepting data packets associated with the specific session to be transferred via the Session Agent so that the session can be transferred from the first device to the second device.

3. (Original) A method according to claim 2, wherein the negotiating to transfer the session comprises: creating a method for securely transferring the communication session from the first device to the second device.

4. (Original) A method according to claim 3, where the created method for securely transferring the communication session comprises: generating a random number to serve as a session key for the secure transfer of the session between the first device and the second device.

5. (Original) A method according to claim 4, where the method further comprises:
encrypting the session key;
transferring the encrypted session key from the first device to the second device and from the first device to the Session Agent; and
using the session key to securely transfer the communication session from the Session Agent to the second device.

6. (Original) A method according to claim 2, wherein the intercepting of the specific session to be transferred comprises: scanning a packet header for information which is

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associated with the registered session to be transferred so that the Session Agent can determine whether the packet is to be transferred to the second device.

7. (Original) A method according to claim 6, wherein scanning a packet header comprises: scanning a packet header for at least one of a source port, source IP address, protocol, destination port and destination IP address to identify the registered session to be transferred so that the Session Agent can determine whether the packet is to be transferred to the second device.

8. (Currently amended) A method according to claim 1, wherein the method further comprises: generating a wake-up message via the Session Agent once the communication session is no longer to be transferred causing the first device to resume participating in receiving communication sessions addressed to its IP address.

9. (Original) A method according to claim 1, wherein the method further comprises:

- initiating a second session between a second correspondent device and the first device;
- determining which session is to be transferred from the first device to the second device;
- transferring the session that is to be transferred from the first device to the second device via the Session Agent so that the session desired to be transferred from the first device to the second device will be transferred to the second device; and

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transferring the session that is not to be transferred to the first device via the Session Agent and the temporary IP address so that the first device can continue to receive desired sessions.

10. (Currently amended) A method for transferring a communication session in an IP network from a first node to a second node via use of an IP address without disrupting the communication session, the method comprising:

initiating communication sessions between a first node and a first Correspondent Node and the first node and a second Correspondent Node, the first node being configured to allow a user to receive or send data packets associated with the communication session therefrom;

generating a temporary IP address with which the first node will be associated;

negotiating a transfer of one of the communication sessions from the first node to a second node such that the second node will generally assume communicating with the Correspondent Node associated with that communication session, the second node being configured to allow a user to receive or send data packets associated with the communication session therefrom;

registering the communication session to be transferred with a Session Agent so that the Session Agent can assume the IP address of the first node, intercept communications addressed to the first node, determine what communication sessions the communications are from, and ~~forwarding~~ forward the communications to the appropriate node;

transferring the IP address of the first node to the Session Agent;

intercepting data packets associated with the communications addressed to the first node via the Session Agent;

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determining what communication session data packets associated with the communications belong to; and

forwarding data packets associated with the communications that belong to the communication session to be transferred to the second node, and forwarding the remaining data packets associated with communications to the first node via the temporary address, thereby allowing the first node to continue to participate in sessions of communication via its temporary IP address.

11. (Currently amended) A method according to claim 10, wherein determining what communication session data packets associated with the communications belong to comprises: scanning a packet header for at least one of a source port, source IP address, protocol, destination port and destination IP address to identify data packets associated with the communication session.

12. (Currently amended) A method according to claim 10, wherein the negotiating to transfer one of the sessions comprises: generating a random number to serve as a session key for the secure transfer of the session to be transferred; encrypting the session key; transferring the session key from the first node to the second node and the first node to the Session Agent; and using the session key to securely transfer data packets associated with the communication session to be transferred from the Session Agent to the second node.

13. (Currently amended) A method according to claim 10, wherein the method further comprises: generating a wake-up message once the transfer from the first node to the

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second node is no longer desired causing the first node to resume participating in receiving communication sessions addressed to its IP address.

14. (Currently amended) A method of using a Session Agent to maintain multiple communication sessions ~~through a single session and transfer a communication session between a Transferring Node and a Correspondent Node from the Transferring Node to a Target Node without disrupting the communication session~~, the method comprising:

initiating a first communication session between the Transferring Node and a first Correspondent Node, and a second communication session between the Transferring Node and a second Correspondent Node, the Transferring Node being configured to allow a user to receive or send data packets associated with the communication session therefrom;

negotiating a session transfer of one of the communication session between the Transferring Node and the Target Node, the Target Node being configured to allow a user to receive or send data packets associated with the communication session therefrom;

obtaining a temporary IP address for the Transferring Node;

registering the specific session to be transferred to the Target Node with the Session Agent;

intercepting data packets associated with the session communications intended for the Transferring Node via the Session Agent which has assumed the IP address of the Transferring Node;

examining the session communications intended for the Transferring Node for information identifying the communication session registered to be transferred; and

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tunneling data packets associated with the session communications registered to be transferred to the Target Node to the Target Node via the Session Agent, thereby allowing the Transferring Node to continue to participate in sessions of communication via its temporary IP address.

15. (Original) A method according to claim 14, wherein examination of the session communications comprise: scanning a packet header of the session communication for at least one of a source port, source IP address, protocol, destination port and destination IP address to identify the communication session.

16. (Currently amended) A method according to claim 14, wherein the method further comprises: generating a wake-up message once the transfer from the Transferring Node to the Target Node is no longer desired causing the Transferring Node to resume participating in receiving communication sessions addressed to its IP address.

17. (Currently amended) A system for seamlessly transferring a communication session between different devices on an IP network occurring between a correspondent node and one of the devices, the system comprising:

a first device having a first IP address that is used to direct data packets intended for receipt by the first device from the correspondent node over the network to the first device, the first device being configured to allow a user to receive or send data packets associated with the communication session therefrom, and the first device being assigned a temporary IP address;

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a second device having a second IP address that is used to direct data ~~directed~~ packets intended for receipt by the second device from the correspondent node over the network to the second device, the second device being configured to allow a user to receive or send data packets associated with the communication session therefrom; and

a switch associated with the first device and the second device operable to enable the second device to receive at least certain ones of the data packets intended for the first device from the correspondent node for seamless session transfer between the devices, thereby allowing the first device to continue to participate in sessions of communication via its temporary IP address.

18. (Original) The system of claim 17, further comprising: a Session Agent for intercepting the sessions of communication directed to the first device at the first IP address and transferring these sessions to the second device.

19. (Currently amended) A system for seamlessly transferring a communication session on an IP network, the system comprising:

a first device having a first device IP address which is capable of participating in sessions of communication with correspondent devices, the first device being configured to allow a user to receive or send data packets associated with the communication session therefrom;

a second device which is capable of participating in the sessions of communication with the correspondent devices, the second device being configured to allow a user to receive or send data packets associated with the communication session therefrom;

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a Session Agent for intercepting sessions of communication directed to the first device at the first device IP address, and transferring selected communications to the second device; and an IP network capable of conducting sessions of communications and transferring data packets directed to the first device in a session of communication from the first device to the Session Agent by transferring the first device IP address from the first device to the Session Agent thereby allowing for the transfer of sessions from the first device to the second device without transferring all of the sessions of communication away from the first device.

20. (Currently amended) A system for seamlessly transferring a communication session on an IP network, the system comprising:

at least one Correspondent Node for transmitting and receiving packets of data within a session of communication;

a Transferring Node having a Transferring Node IP address and a temporary IP address , the Transferring Node being capable of participating in sessions of communication with a plurality of Correspondent Nodes, and being configured to allow a user to receive or send data packets associated with the communication session therefrom;

a Target Node capable of participating in sessions of communication with a plurality of Correspondent Nodes, and being configured to allow a user to receive or send data packets associated with the communication session therefrom;

a Session Agent for intercepting data packets associated with the sessions of communication directed to the Transferring Node IP address and transferring desired sessions to the Target Node; and

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an IP network capable of transferring the desired sessions of communication between the Correspondent Node and the Transferring Node from the Transferring Node to the Target Node by transferring the Transferring Node IP address from the Transferring Node to the Session Agent thereby allowing the Transferring Node to continue to participate in sessions of communication via its temporary IP address.